



October 2, 1985

Richard L. Stamets
Director
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Stamets:

Enclosed herewith in duplicate is Application of Marbob Energy Corporation for the authority to inject produced water in the Berry "A" Federal Well No. 33 located 1650 FSL & 2040 FWL of Section 24, Township 17 South, Range ~~18~~ East, N.M.P.M., Eddy County, New Mexico. Application is made pursuant to Rule 701A of the Division Rules and Regulations for administrative approval for the purpose of secondary or other enhanced recovery. Publication of Marbob's intent to utilize the subject well for water injection has been made in the Artesia Daily Press. Also, copies of this application have been furnished to each leasehold operator within 1/2 mile of the well and to the Bureau of Land Management, who is owner of the surface of the land upon which the well is located.

Your approval of the subject application at the expiration of the required 15 day waiting period is respectfully requested.

Sincerely,

A handwritten signature in cursive script that reads "Ron Head".

Ron Head
Land Department

RH/rr

Enclosures

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION FOR ADMINISTRATIVE APPROVAL

MARBOB ENERGY CORPORATION

INJECTION OF PRODUCED WATER INTO THE

BERRY "A" FEDERAL WELL NO. 33

Located 1650 FSL & 2040 FWL, Sec. 24, T-17S, R-27E
Eddy County, New Mexico

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APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Marbob Energy Corporation
Address: P. O. Drawer 217
Contact party: Ron Head Phone: (505) 748-3303
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project WFX 453.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Mack C. Chase Title Vice-President
Signature: Mack C. Chase Date: October 3, 1985
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. Expansion of existing project - original order issued

July 8, 1977 - Order WFX No. 453

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

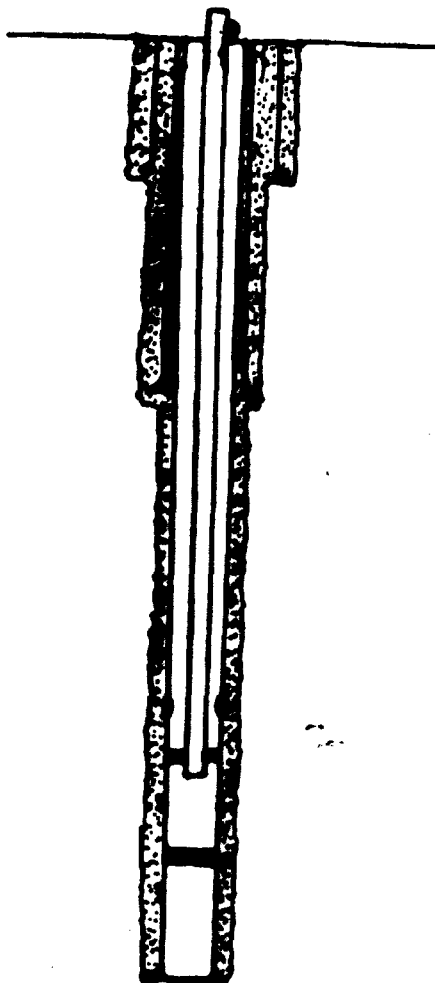
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Marbob Energy Corporation Berry "A"
 OPERATOR LEASE
33 1650 FSL & 2040 FWL 24 17S 27E
 WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic

Tubular Data



Surface Casing

Size 8 5/8 " Cemented with 75 sq.
 TOC Surface feet determined by cement circulated
 Hole size 12 1/4"

Intermediate Casing

Size N/A " Cemented with N/A sq.
 TOC N/A feet determined by N/A
 Hole size N/A

Long string

Size 5 1/2 " Cemented with 150 sq.
 TOC Surface feet determined by cement circulated
 Hole size 7 7/8"
 Total depth 626'

Injection interval

475 feet to 565 feet
 (perforated or plugged indicate which)

Tubing size 2 3/8" lined with teflon coating set in a
 (material)
4 1/2" Baker tension packer at 385 feet
 (brand and model)
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Yates-Seven Rivers
- Name of Field or Pool (if applicable) Empire Field
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? _____
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. No overlying pools or production within 1/2 mile radius.
Underlying pools are the Red Lake Queen Grayburg San Andres at approx. 930'.

WELL DATA-WELLS IN AREA OF REVIEW

Attached as Exhibit "A" are copies of the Completion Reports or Plugging Reports for wells which have been drilled to the depth of this proposed injection zone and fall within the area of review. These wells are wells that have been drilled subsequent to the original application for waterflood.

Attachment C-108 VI

DATA SHEET

(Section VII, Form C-108)

1. Proposed Rate of Injection
 - A. Average daily rate of injection 75 barrels.
 - B. Maximum daily rate of injection 100 barrels.
2. Type of System
 - A. System will be open.
3. Anticipated Injection Pressure
 - A. Proposed average injection pressure 40 PSI.
 - B. Maximum injection pressure 300 PSI.
4. Source of Injection Water
 - A. Re-injected produced water from the Yates-Seven Rivers formation.

Attachment C-108 VII

STIMULATION PROGRAM

Attached as Exhibit "B" is a copy of the Well Completion Report for the proposed injection well.

Attachment C-108 IX

LOGGING AND TEST DATA

Attached as Exhibit "C" is the Welex Dual Space Neutron Log on the proposed injection well with proposed injection interval marked in red thereon.

Attachment C-108 X

FRESH WATER ANALYSIS

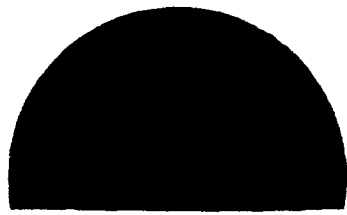
There are no fresh water wells within 1 mile of the proposed injection well.

Attachment C-108 XI

AFFIRMATIVE STATEMENT

Applicant hereby affirms that he has examined the available geologic and engineering data and finds no evidence of open false or other hydrologic connections between the disposal zone and any underground source of drinking water.

Attachment C-108 XII



marbob
energy corporation

October 2, 1985

Cimarron Energy Corporation
P. O. Box 1525
Carlsbad, New Mexico 88220

RE: Proposed Injection Well

Gentlemen:

Enclosed please find an application for a Proposed Injection Well located in Section 24, Township 17 South, Range 27 East, Eddy County, New Mexico.

If you have any questions regarding this application, please contact Ron Head at (505) 748-3303. If you have an objection to the application, please sign below and return one copy of this letter to Marbob Energy Corporation and one copy to the Oil Conservation Division, Santa Fe, New Mexico 87501.

Sincerely,

Ron Head
Land Department

RH/rr

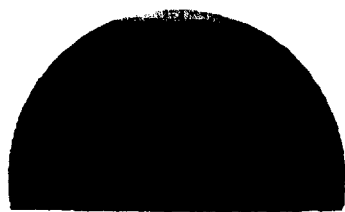
Enclosure

Cimarron Energy Corporation has an objection to the proposed disposal well.

BY: _____

TITLE: _____

DATE: _____



marbob
energy corporation

October 2, 1985

MWJ Producing
1804 First National Bank Building
Midland, Texas 79701

RE: Proposed Injection Well

Gentlemen:

Enclosed please find an application for a Proposed Injection Well located in Section 24, Township 17 South, Range 27 East, Eddy County, New Mexico.

If you have any questions regarding this application, please contact Ron Head at (505) 748-3303. If you have an objection to the application, please sign below and return one copy of this letter to Marbob Energy Corporation and one copy to the Oil Conservation Division, Santa Fe, New Mexico 87501.

Sincerely,

Ron Head
Land Department

RH/rr

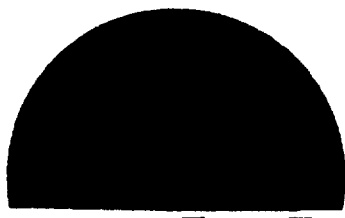
Enclosure

MWJ Producing has an objection to the proposed disposal well.

BY: _____

TITLE: _____

DATE: _____



marbob
energy corporation

October 2, 1985

Bureau of Land Management
P. O. Box 1449
Santa Fe, New Mexico 87501

RE: Proposed Injection Well

Gentlemen:

Enclosed please find an application for a Proposed Injection Well located in Section 24, Township 17 South, Range 27 East, Eddy County, New Mexico.

If you have any questions regarding this application, please contact Ron Head at (505) 748-3303. If you have an objection to the application, please sign below and return one copy of this letter to Marbob Energy Corporation and one copy to the Oil Conservation Division, Santa Fe, New Mexico 87501.

Sincerely,

Ron Head
Land Department

RH/rr

Enclosure

Bureau of Land Management has an objection to the proposed disposal well.

BY: _____

TITLE: _____

DATE: _____

PS Form 3811, Dec. 1980

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered —¢
☐ Show to whom, date, and address of delivery.. —¢

2. ☐ **RESTRICTED DELIVERY**
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
 Hanson Energy Corp.
 Rt. 1 Box 60
 Artesia, NM 88210

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD 553357172
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)
 I have received the article described above.
 SIGNATURE ☐ Addressee ☒ Authorized agent
Monica L. Martinez

5. DATE OF DELIVERY POSTMARK
 10 07 85

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

PS Form 3811, Dec. 1980

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered —¢
☐ Show to whom, date, and address of delivery.. —¢

2. ☐ **RESTRICTED DELIVERY**
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
 Bureau of Land Management
 P. O. Box 1449
 Santa Fe, NM 87501

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD 553357174
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)
 I have received the article described above.
 SIGNATURE ☐ Addressee ☐ Authorized agent
MONICA L. MARTINEZ

5. DATE OF DELIVERY POSTMARK
 10 07 1985

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

PS Form 3811, Dec. 1980

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered —¢
☐ Show to whom, date, and address of delivery.. —¢

2. ☐ **RESTRICTED DELIVERY**
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
 MWJ Producing
 1804 First National Bank Building
 Midland, TX 79702

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED
☐ CERTIFIED ☐ COD 553357173
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)
 I have received the article described above.
 SIGNATURE ☐ Addressee ☐ Authorized agent
Wanda Taylor

5. DATE OF DELIVERY POSTMARK
 10/7

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

PS Form 3811, Dec. 1980

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered —¢
☐ Show to whom, date, and address of delivery.. —¢

2. ☐ **RESTRICTED DELIVERY**
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
 Cimarron Energy Corp.
 P. O. Box 1525
 Carlsbad, NM 88220

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD 553357175
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)
 I have received the article described above.
 SIGNATURE ☐ Addressee ☐ Authorized agent
Donna E. Eades

5. DATE OF DELIVERY POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

Affidavit of Publication

Copy of Publication

No. 11283

STATE OF NEW MEXICO,
County of Eddy:

Gary D. Scott being duly
sworn, says: That he is the Business Manager of The
Artesia Daily Press, a daily newspaper of general circulation,
published in English at Artesia, said county and state, and that
the hereto attached Legal Notice

was published in a regular and entire issue of the said Artesia
Daily Press, a daily newspaper duly qualified for that purpose
within the meaning of Chapter 167 of the 1937 Session Laws of

the State of New Mexico for 1 days
consecutive weeks on
the same day as follows:

First Publication October 7, 1985

Second Publication

Third Publication

Fourth Publication

and that payment therefore in the amount of \$
has been made.

Subscribed and sworn to before me this 11th day
of October, 1985

Barbara Ann Adams
Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1987

LEGAL NOTICE

Notice is hereby given pursuant to Rule 701B3 of the New Mexico Oil Conservation Division Rules and Regulations that it is the intent of Marbob Energy Corporation to utilize the Berry "A" Well No. 39 located 1696 FSL and 2049 FWL of Section 24, Township 17 South, Range 27 East, N.M.P.M., Eddy County, New Mexico for the underground injection of produced water in an existing waterflood project. Injection will average 75 barrels per

day but could go as high as 100 barrels per day. This
injection project will
not exceed 200 FSL. Marbob
regarding this project may
be obtained from Marbob
Marbob Energy Corporation,
P.O. Drawer 217, Artesia,
New Mexico 88201, 704-824-
1111.

Objections to this notice
request for hearing of the
matter, together with the
reasons therefor, must be
filed in writing with the Oil
Conservation Division, P.O.
Box 2000, Santa Fe, New
Mexico 87501 within 10 days
after date of publication of
this notice.

Published in the Artesia
Daily Press, Artesia, N.M.,
Oct. 7, 1985. Legal No. 11283.

EXHIBIT "A"
(attachment C-108 VII)

Form C-105
Revised 11-1-68

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

NO. OF COPIES RECEIVED	
DISTRIBUTION	
WARRANTY	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
0 2310

1a. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐				7. Unit Agreement Name	
b. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐				8. Farm or Lease Name Sevrek	
2. Name of Operator LATCH OPERATIONS				9. Well No. 04	
3. Address of Operator Suite 307 Tex. Comm. Bank Bldg. - Lubbock, Texas 79401				10. Field and Pool, or Wildcat Empire Yates-Sevrek	
4. Location of Well UNIT LETTER I LOCATED 330 FEET FROM THE East LINE AND 2310 FEET FROM THE South OF SEC. 24 TWP. 17S RGE. 27E NMPM				12. County Eddy	
15. Date Spudded 3-1-79	16. Date T.D. Reached 6-13-79	17. Date Compl. (Ready to Prod.) 6-14-79	18. Elevations (DF, RKB, RT, GR, etc.) not available	19. Elev. Casinghead	
20. Total Depth 540	21. Plug Back T.D. 540	22. If Multiple Compl., How Many one	23. Intervals Drilled By Rotary Tools	Cable Tools 0-340	
24. Producing Interval(s), of this completion - Top, Bottom, Name Top 465 Bottom 520 Name Yates				25. Was Directional Survey Made No	
26. Type Electric and Other Logs Run Cable Tool Drillers Log				27. Was Well Cored No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE 10 3/4"	WEIGHT LB./FT. 360	DEPTH SET 429	HOLE SIZE 12"	CEMENTING RECORD 200 Sacks	AMOUNT PULLED None
29. LINER RECORD					
SIZE None	TOP	BOTTOM	SACKS CEMENT	SCREEN	
30. TUBING RECORD					
SIZE 2 3/8"	DEPTH SET 535	PACKER SET			
31. Perforation Record (Interval, size and number) Open Hole Completion			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL 465-520	AMOUNT AND KIND MATERIAL USED Natural Completion	
33. PRODUCTION					
Date First Production 6-14-79	Production Method (Flowing, gas lift, pumping - Size and type pump) Pump			Well Status (Prod. or Shut-in) Prod.	
Date of Test 6-13-79	Hours Tested 24	Choke Size	Prod'n. For Test Period 96	Oil - Bbl. 1	Gas - MCF 0
Flow Tubing Press. N11	Casing Pressure N11	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl. 10.42
34. Disposition of Gas (Sold, used for fuel, vented, etc.)				Test Witnessed By George Lewis	
35. List of Attachments					
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.					
SIGNED _____			TITLE Agent		DATE 6-27-79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt 465	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) 465	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of **140** water inflow and elevation to which water rises in hole.

No. 1, from _____ to _____ feet.	_____
No. 2, from _____ to _____ feet.	_____
No. 3, from _____ to _____ feet.	_____
No. 4, from _____ to _____ feet.	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in feet	Formation	From	To	Thickness in feet	Formation
10	35		Red bed and gravel	431	465	34	Anhydrite-shale
35	60	25	Pot ash-Anhydrite	465	520	55	Oil bearing brown lime anhydrite
60	90	30	Pot Ash-Blue Shale				
90	100	10	Sandy Shale	520	540	20	lime-anhydrite
100	140	40	Gray Shale				
140	175	35	Shale - Brown Sandy Lime				
175	205	30	Sandy Lime-anhydrite-blue shale				
205	230	25	Red Shale - Lime				
230	315	85	Red Shale				
315	350	35	Shale-anhydrite				
350	402	52	Shale-anhydrite-gypsum				
402	431	29	Shale-gypsum-lime				

NO. OF COPIES RECEIVED	
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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

Form C-105
Revised 11-1-80

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

50. Indicate Type of Lease
State ☒ Fee ☐
51. State Oil & Gas Lease No.
88318

10. TYPE OF WELL	OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
11. TYPE OF COMPLETION	NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

52. Well Agreement Name
53. Farm or Lease Name
Spurck

2. Name of Operator	Latch Operations
3. Address of Operator	P.O. Box 10108 Lubbock, TX 79408

54. Well No.	5
55. Field and Pool, or Wildcat	Red Lake San Andres

4. Location of Well	UNIT LETTER <u>F</u> LOCATED <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>2310</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>24</u> TWP. <u>17-S</u> RGE. <u>27-E</u> NMPM
---------------------	--

56. County	Eddy
------------	------

13. Date Spudded	June, 1979
16. Date T.D. Reached	Jan 10, 1981
17. Date Compl. (Ready to Prod.)	Feb 2, 1981
18. Elevations (DF, RAB, RT, GR, etc.)	N/A
19. Elev. Casinghead	N/A
20. Total Depth	2240
21. Plug Back T.D.	2238
22. If Multiple Compl., How Many	
23. Intervals Drilled By	Rotary Tools 1715-2240 Cable Tools Sur-1715

24. Producing Interval(s), of this completion - Top, Bottom, Name	San Andres 2182-2202
---	----------------------

25. Was Directional Survey Made	No
---------------------------------	----

26. Type Electric and Other Logs Run	Gamma Ray-Neutron
27. Was Well Cored	No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	40	442	12	220SKS 6/21/79	---
8-5/8	26	842	10	150SKS 8/23/79	---
7"	23	1375	8	150SKS 11/28/79	---
4 1/2	10 1/2	2240	6"	250SKS 1/14/81	---

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2"	2205
						PACKER SET

31. Perforation Record (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1180-1182	.45	14	1550-1564	3000 GAL 15% HCL
1420-1428	.45	20	2182-2202	1500 GAL 15% HCL
1520-1528	.45	12		20/40 Sand 20,000#
1620-1628	.45	14		
1720-1728	.45	20		

PRODUCTION							
Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)		
Sub tested well							
Flowing Pressure	Test Period	Coke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
10	10			5	less than 1 MCF	40	
Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)		
Neq1		12	Neq1	96	Approx 30		

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
	Joseph B. Schiel, Jr.

35. List of Attachments
(2) Gamma Ray-Neutron Logs (1) 350-1368 (2) 1100-2224

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.
SIGNED <u>James Latch</u> James Latch TITLE <u>General Manager</u> DATE <u>2/16/81</u>

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured by this. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____
 T. Salt _____
 B. Salt _____
 T. Yates _____ 352
 T. 7 Rivers _____ 530
 T. Queen _____ 1056
 T. Grayburg _____ 1672
 T. San Andres _____ 1896
 T. Glorieta _____
 T. Paddock _____
 T. Dinebry _____
 T. Tubb _____
 T. Drinkard _____
 T. Abo _____
 T. Wolfcamp _____
 T. Penn. _____
 T. Cisco (Bough C) _____

T. Canyon _____
 T. Strawn _____
 T. Atoka _____
 T. Miss _____
 T. Devonian _____
 T. Silurian _____
 T. Montoya _____
 T. Simpson _____
 T. McKee _____
 T. Ellenburger _____
 T. Gr. Wash _____
 T. Granite _____
 T. Delaware Sand _____
 T. Bone Springs _____
 T. _____
 T. _____

Northwestern New Mexico

T. Ojo Alamo _____
 T. Kirtland-Fruitland _____
 T. Pictured Cliffs _____
 T. Cliff House _____
 T. Menefee _____
 T. Point Lookout _____
 T. Mancos _____
 T. Gallup _____
 Base Greenhorn _____
 T. Dakota _____
 T. Morrison _____
 T. Todilto _____
 T. Entrada _____
 T. Wingate _____
 T. Chinle _____
 T. Permian _____
 T. Penn. "A" _____

T. Penn. "B" _____
 T. Penn. "C" _____
 T. Penn. "D" _____
 T. Leadville _____
 T. Madison _____
 T. Elbert _____
 T. McCracken _____
 T. Ignacio Qtzite _____
 T. Granite _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 1168 to 1182 No Test
 No. 2, from 1408 to 1428 No Test
 No. 3, from 1516 to 1528 No Test
 No. 4, from 1550 to 1564 No Test
 No. 5, from 2182 to 2202 San Andres Oil & Water
 No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 125 to 175 feet Surface Water
 No. 2, from _____ to _____ feet
 No. 3, from _____ to _____ feet
 No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

Well No.	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1	125	SEE 2 ATTACHED LOGS				
2						
3						
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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease

State ☒ Fee ☐

5. State Oil & Gas Lease No.

B8318

7. Unit Agreement Name

8. Farm or Lease Name

SPURCK

9. Well No.

6Y

10. Field and Pool, or Wildcat

VATES-SEVERA R.

12. County

EDDY

19. Elev. Casinghead

3514

23. Intervals Drilled By

Rotary Tools

Cable Tools

25. Was Directional Survey

Made

27. Was Well Cored

No

AMOUNT PULLED

250 SKS (CIV)

TUBING RECORD

PACKER SET

500'

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

AMOUNT AND KIND MATERIAL USED

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

- 0 -

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- 0 -

- 0 -

- 0 -

- 0 -

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- 0 -

- 0 -

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>456</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todillo _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>456</u> to <u>480</u>	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	25	25	OVER Borden GYP	372	377	5	Red Bed
25	90	65	GYP	377	403	26	Anhy & LMS
90	95	5	sandstone	403	450	47	ANHY & LMS & Red bed Lense
95	110	15	GYP	450	456	6	ANHYD.
110	115	5	Shale	456	480	24	LMS & Sand
115	130	15	GYP	480	505	25	LMS
130	140	10	LMS				
140	167	27	GYP & Red Bed				
167	236	69	RED Bed				
236	367	131	RED Bed & GYP				
367	372	5	ANHY & LMS				

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B8318

10. TYPE OF WELL		OIL WELL ☐		GAS WELL ☐		DRY ☐		OTHER _____									
b. TYPE OF COMPLETION		NEW WELL ☐		WORK OVER ☐		DEEPEN ☒		PLUG BACK ☐		DIFF. RESVR. ☐		OTHER _____					
2. Name of Operator												7. Unit Agreement Name					
LATCH OPERATIONS												8. Farm or Lease Name					
3. Address of Operator												9. Well No.					
Box 10108 LUBBOCK TX 79408												7					
1. Location of Well												10. Field and Pool, or Wildcat					
UNIT LETTER I LOCATED 1650 FEET FROM THE FSL LINE AND 330 FEET FROM THE EAST LINE OF SEC. 24 TWP. 17S RGE. 27E NMPM												RED LAKE					
12. County												EDDY					
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF, R&P, RT, GR, etc.)		19. Elev. Casinghead									
16 Mar 83		4 May 83				3524		3524									
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By		Rotary Tools		Cable Tools							
2310		2299.24				571-2310		0-571									
24. Producing Intervals, of this completion - Top, Bottom, Name										25. Was Directional Survey Made							
1682-1692 ; 1702-1712. GRAYBURG										YES							
26. Type Electric and Other Logs Run										27. Was Well Cored							
Dresser Density, Com. Neutron / Gamma Ray, Dual Laterolog / Micro Laterolog / Prolog										NO							
28. CASING RECORD (Report all strings set in well)																	
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED							
10 3/4		40.5		454'		15		CIRCULATED		- 0 -							
4 1/2		10.5		2299.24		7 7/8		CIRCULATED		- 0 -							
29. LINER RECORD												30. TUBING RECORD					
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET			
										2 3/8		1755		-			
31. Perforation Record (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
1682-1692 3/4" 1/ft						DEPTH INTERVAL						AMOUNT AND KIND MATERIAL USED					
1702-1712 3/4" 1/ft						1682-1692						1500 gal 15% HCl					
						1702-1712						30,000 # 10/20 Sand					
33. PRODUCTION																	
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)						Well Status (Prod. or Shut-in)									
18 May 83		Casing head gas						Prod									
Date of Test		Hours Tested		Choke Size		Prod'n. For Test Period		Oil - Bbl.		Gas - MCF		Water - Bbl.		Gas - Oil Ratio			
16 May 83								Less than 1/4		40		20					
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API (Corr.)					
		25 "				Less than 1/4		40		20							
34. Disposition of Gas (Sold, used for fuel, vented, etc.)												Test Witnessed By					
Sold												J. Schul Jr.					
35. List of Attachments																	
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.																	
SIGNED		Joseph B Schul Jr						TITLE		Agent		DATE 16 June 83					

It is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or well. It shall be accompanied by one copy of all electrical and radioactivity logs run in the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, Items 30 through 34 shall be repeated for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
D. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers <u>469</u>	T. Devonian	T. Menefee	T. Madison
T. Queen <u>930</u>	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg <u>1396</u>	T. Montoya	T. Mancos	T. McCracken
T. San Andres <u>1726</u>	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Minebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from <u>469</u> to <u>500</u>	No. 4, from <u>1702</u> to <u>1712</u>
No. 2, from <u>1094</u> to <u>1118</u>	No. 5, from <u>2100</u> to <u>2990</u>
No. 3, from <u>1682</u> to <u>1692</u>	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____	feet
No. 2, from _____ to _____	feet
No. 3, from _____ to _____	feet
No. 4, from _____ to _____	feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	50	50	overburden & gyp	1053	1085	32	Anhy/salt/RB
50	159	109	Gyp & Lenses of Lms	1085	1205	140	Anhy/RB/Gyp
159	250	91	Gyp & R.B	1205	1229	24	Gyp
250	255	5	S.S.	1229	1244	15	LMS
255	305	50	RB & Gyp	1244	1501	257	Gyp/RB/
305	310	5	S.S.	1501	1547	46	Dolomite
310	325	15	Blue shale, R.B	1547	1557	10	RB Gyp
325	350	25	Anhydrite	1557	1702	145	Dolomite & thin lenses of Gyp & RB
350	460	110	Anh & Lms & RB				
460	500	39	LMS	1702	2310	608	Dolomite
500	590	90	Anhy & LMS				
590	625	35	Anh. RB. Salt				
625	630	5	LMS				
630	710	80	Anhy/RB				
710	720	10	RB/salt				

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
B 8318

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUS BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name

8. Farm or Lease Name
SPURCK

2. Name of Operator
LATCH OPERATIONS

3. Address of Operator
BOX 10108 LUBBOCK TX 79408

4. Location of Well

9. Well No.
8

10. Field and Pool Name
**FEDERALE Wildcat
Green, Grayburg, S.A.**

UNIT LETTER **I** LOCATED **2310** FEET FROM THE **SOUTH** LINE AND **965** FEET FROM
THE **EAST** LINE OF SEC. **24** TWP. **17S** RGE. **27E** NMPM

12. County
EDDY

15. Date Spudded **9 FEB 81** 16. Date T.D. Reached **12 May 82** 17. Date Compl. (Ready to Prod.) **15 May 82** 18. Elevations (DF, RKB, RT, GR, etc.) **3520 GR.**

20. Total Depth **1735'** 21. Plug Back T.D. **1725'** 22. If Multiple Compl., How Many **—** 23. Intervals Drilled By **—** Rotary Tools **—** Cable Tools **0-1735'**

19. Elev. Casinghead

24. Producing Interval(s), of this completion - Top, Bottom, Name
1532 - 1604 GRAYBURG

25. Was Directional Survey Made
NO

26. Type Electric and Other Logs Run
Gamma Ray - Newton

27. Was Well Cored
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4	40.5	412	15"	100 SKS (circ)	- 0 -
8 5/8	26.0	818	10 3/4"	100 SKS (circ)	- 0 -
4 1/2	9.5	1731	7 7/8"	100 SKS circulated to PT	- 0 -

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
NO NE					2 3/8	1644.25'	—

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
NO NE				

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	1644.25'	—

31. Perforation Record (Interval, size and number)
1532 - 1604
1 per ft = 71

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1532-1604	1000 ggs HCL, 25000# #40 5000# 14/20 Sand

33. PRODUCTION

Date First Production **18 May 82** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pumping - 1 1/8 x 8" Pump Bottom Hole** Well Status (Prod. or Shut-in) **Prod.**

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
25 May 82	24			18	50	- 0 -	2778 : 1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
	235 PSI		18	50	- 0 -	34

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Waiting on Phillips

Test Witnessed By
Joseph B Schiefel J

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED **Joseph B Schiefel J** TITLE **Agent** DATE **21 June 82**

This form is to be filed with the appropriate District Office of the Division not later than _____ days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths; in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>454</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>1094</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg <u>1408</u>	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cimco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>1532</u> to <u>1604</u>	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet
No. 2, from _____ to _____ feet
No. 3, from _____ to _____ feet
No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	30	30	OVERBURDEN	908	952	44	ANHYE Sand
30	150	120	ANHY & gypsum	952	983	31	Sand & LMS
150	190	40	ANHY & gray & red shale	983	1050	67	ANHYE Sand
190	224	34	Red Shale	1050	1094	44	ANHYE LMS & Sand
224	432	108	ANHYE red & gray shale lenses	1094	1115	21	LMS & Sand
432	453	21	Sand	1115	1185	70	ANHYE Red Bed
453	518	65	ANHYE sand lenses	1185	1215	30	Sand & Red Bed
518	782	264	ANHYE gray & red shale	1215	1363	148	ANHYE Red Bed
782	794	12	ANHYE & Salt	1363	1408	45	ANHYE LMS & Red Bed
794	908	114	ANHYE	1408	1464	56	LMS & Sand & gray shale
				1464	1502	38	ANHYE & LMS
				1502	1532	30	LMS & Sand

From To Thickness Formation

1532 - 1627 95 LMS E sand & Red Bed Lenses

1627 - 1694 67 LMS E redbeds

1694 - 1735 41 LMS

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**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
RECEIVED**

SEP 28 1979

Form O-105
Revised 10-6-68

5a. Indicate Type of Lease
State ☒ Free ☐

5. State Oil & Gas Lease No.
2029

1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐ **O. C. C.**

b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐ **ARTESIA, OFFICE**

2. Name of Operator
H & S Oil Company

3. Address of Operator
216 American Home Bldg. - Artesia, New Mexico 88210

4. Location of Well
UNIT LETTER **J** LOCATED **2310** FEET FROM THE **South** LINE AND **1980** FEET FROM **East** LINE OF SEC. **24** TWP. **17 S** RGE. **27 E**

7. Unit Agreement Name

8. Farm or Lease Name
Schneider

9. Well No.
1

10. Field and Pool, or Wildcat
Red Lake (Q.G.SA.)

15. Date Spudded
5/8/79

16. Date T.D. Reached
5/14/79

17. Date Compl. (Ready to Prod.)
9/9/79

18. Elevations (DF, RKB, RI, GR, etc.)
3504 GR

19. Elev. Casinghead

20. Total Depth
1725'

21. Plug Back T.D.
1722'

22. If Multiple Compl., How Many

23. Intervals Drilled By
0 - 1725

24. Producing Interval(s), of this completion - Top, bottom, Name
1433 - 1694 Grayburg

25. Was Directional Survey Made
Yes

26. Type Electric and Other Logs Run
Compensated Neutron

27. Was Well Cored
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./ FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	20#	513'	12 1/4"	200 sks. Class C w/4 sks. 20% Cal. Chloride + 4 cu. yds. ready mix	
5 1/2"	23#	1725'	7 7/8"	150 sks. Class C + 50 lbs. cello flakes & 150 sks. Lite Poz.	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	1628'	1386'

31. Perforation Record (Interval, size and number)

1670 - 94 = 20 holes
1554 - 80 = 16 holes
1433 - 49 = 16 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1670 - 94	20,000 Gal. 10,000# 250 Gal. Belled Wtr. Sand Acid
1554 - 80	20,000 Gal. 18,000# 250 Gal.
1443 - 49	20,000 Gal. 18,000# 250 Gal.

33. PRODUCTION

Date First Production
9/9/79

Production Method (Flowing, gas lift, pumping - Size and type pump)
Flowing

Well Status (Prod. or Shut-in)
Producing

Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
9/9/79	24	1/4 pos.	1	180	10		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
		1	180	10	34	

34. Disposition of Gas (sold, used for fuel, vented, etc.)
Phillips Petroleum Company

35. List of Attachments
Compensated Neutron Log - Deviation Survey

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED **Richard R. Spencer** TITLE **Partner** DATE **9/20/79**

This form is to be filed with the appropriate District Office of the Commission not later than _____ days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs from the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of artificially filled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>321</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>495</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>1125</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg <u>1433</u>	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>1725</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>1433</u> to <u>1449</u>	No. 4, from _____ to _____
No. 2, from <u>1554</u> to <u>1580</u>	No. 5, from _____ to _____
No. 3, from <u>1670</u> to <u>1694</u>	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>150</u> to <u>250</u> feet.	
No. 2, from _____ to _____ feet.	
No. 3, from _____ to _____ feet.	
No. 4, from _____ to _____ feet.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	321	.	Caliche, Red Bed & Dolomite				
321	465	.	Anhydrite, Dolomite				
465	1212	.	Sand Shale, Dolomite				
1212	1433	.	Anhydrite				
1433	1700	.	Dolomite Sand, Anhy.				
1700	1725	.	Anhydrite				

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OPERATOR	

Form O-175
Revised 1-10-68NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
 1. Initial Type of Lease
 State ☒ Free ☐
 2. Initial Lease No.
 L - 4855

RECEIVED

MAR 23 1979

10. TYPE OF WELL

OIL WELL ☐GAS WELL ☐DRY ☐

OTHER

11. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESVR. ☐

OTHER

12. Name of Operator

Paul Slayton

O.C.C.
ARTEGIA, OFFICE

13. Address of Operator

P O Box 1936 Roswell, New Mexico 88201

14. Location of Well

UNIT LETTER P LOCATED 990 FEET FROM THE South LINE AND 790 FEET FROM

THE East LINE OF SEC. 24 TWP. 17S RGE. 27E' NMPM

County
Eddy
 15. Date Spudded 1-22-79
 16. Date T.D. Reached 2-15-79
 17. Date Compl. (Ready to Prod.) 2-28-79
 18. Elevations (DF, RKB, RT, GR, etc.) 3500.3
 19. Elev. Casinghead

 20. Total Depth 454'
 21. Plug Back T.D.
 22. If Multiple Compl., How Many
 23. Intervals Drilled By
 Rotary Tools
 Cable Tools X

24. Producing Interval(s), of this completion - Top, Bottom, Name

OH 433-54

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23	433	8"	220 SKS	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	440	

31. Perforation Record (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

 DEPTH INTERVAL
 AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

 Date First Production 3-1-79
 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping
 Well Status (Prod. or Shut-in) Prod.

Date of Test 3-5-79	Hours Tested 24	Choke Size	Prod'n. Per Test Period	Oil - BBL 0 BPD	Gas - MCF	Water - BBL	Gas - Oil Ratio
Flow Tubing Press. 0	Casing Pressure 0	Calculated 24-Hour Rate	Oil - BBL 0 BPD	Gas - MCF	Water - BBL	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test witnessed by

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

TITLE

Operator

DATE

03/22/79

deepest well. It shall be accompanied by a summary of all electrical and radioactivity logs run on any well and a summary of all special tests conducted, including drill stem tests. All test results shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
D. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....	No. 4, from.....to.....
No. 2, from.....to.....	No. 5, from.....to.....
No. 3, from.....to.....	No. 6, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
No. 2, from.....to.....feet.....
No. 3, from.....to.....feet.....
No. 4, from.....to.....feet.....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	87	9	Sand, Anhy, shale				
	96		Sand, Water (salty)				
	156	155	Gray Anhy, Red shale				
	311		Anhy, Dolo, Red shale				
	378	67	Dolo, Anhy				
	399	21	Anhy, Lime				
	423	24	Gray lime				
	452	29	Sandy lime				
	454	2	Sand lime - free oil				

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY Artesia, NM 88210

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐ RECEIVED

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. DESVR ☐ Other ☐ MAY - 6 1982

2. NAME OF OPERATOR

MWJ PRODUCING COMPANY /

3. ADDRESS OF OPERATOR

1804 First National Bank Bldg Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 467' FNL & 2310' FWL of Sec 25, T-17S, R-27E

At top prod. interval reported below

At total depth same

14. PERMIT NO.

DATE ISSUED

2/23/82

15. DATE SPUDDED

2/25/82

16. DATE T.D. REACHED

3/12/82

17. DATE COMPL. (Ready to prod.)

4/27/82

18. ELEVATIONS (DF, RKB, BT, OR, ETC.)*

3538' GL

19. ELEV. CASING HEAD

3538' GL

20. TOTAL DEPTH, MD & TVD

492'

21. PLUG BACK T.D., MD & TVD

477'

22. IF MULTIPLE COMPL. HOW MANY*

N/A

23. INTERVALS DRILLED BY

→

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

None (Open hole) Seven Rivers

468-77

26. TYPE ELECTRIC AND OTHER LOGS RUN

None

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
5 1/2"	15.5#	468'	10 1/2"	350 sx Class "C"	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	471'	

31. PERFORATION RECORD (Interval, size and number)

None (Open hole)

468-77

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

468-477'

500 gal

OIL & GAS
U.S. GEOLOGICAL SURVEY

ROSWELL, NEW MEX PRODUCTION

33. DATE FIRST PRODUCTION

4/28/82

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Pumping 2" x 1 1/2" x 6'

DATE OF TEST

4/28/82

HOURS TESTED

24

CHOKE SIZE

N/A

PROD'N. FOR TEST PERIOD

→

OIL—BBL.

2.5

GAS—MCF.

TSTM

WATER—BBL.

29.6

FLOW, TUBING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

OIL—BBL.

2.5

GAS—MCF.

TSTM

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

N/A

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Bar Bishop

TITLE

Agent

DATE 4/30/82

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501
SEP 25 1979

Form C-103
Revised 10-1-78

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O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease State ☒ Fee ☐
5. State Oil & Gas Lease No. B 8318

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER	7. Unit Agreement None
2. Name of Operator LATCH OPERATIONS	8. Farm or Lease Name Spurck
3. Address of Operator Suite 507 Texas Commerce Bank Bldg. Lubbock, Texas 79401	9. Well No. 2
4. Location of Well UNIT LETTER F, 1650 2310 FEET FROM THE N LINE AND 2310 FEET FROM THE W LINE, SECTION 24 TOWNSHIP 17S RANGE 27E N.M.P.M.	10. Field and Pool, or Whdeat Empire Y-SR
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103. TD 477 7: 422-50

30 sks. cement at 462 through tubing-top tagged.
Mud fill to 300' and then 25 sks.
Mud fill to surface and then 15 sks. cement.
Appropriate surface marker to be installed.
Work to begin as soon as possible.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED James Little TITLE Agent DATE 9-16-79

APPROVED BY W. A. Bessett TITLE SUPERVISOR, DISTRICT II DATE SEP 25 1979

CONDITIONS OF APPROVAL, IF ANY:

Notify N.M.O.C.C. in sufficient time to will

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other In-
structions on
reverse side)Form approved
Budget Bureau

0.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☐	DRY ☐	Other <u>WIW</u>		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other _____
2. NAME OF OPERATOR <u>Marbob Energy Corp.</u>						7. UNIT AGREEMENT NAME	
8. ADDRESS OF OPERATOR <u>P.O. Drawer 217, Artesia, N.M. 88210</u>						9. WELL NO. <u>33</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* <u>At surface 1650 FSL 2040 FWL</u> <u>At top prod. interval reported below Same</u> <u>At total depth Same</u>						10. FIELD AND POOL, OR WILDCAT <u>Empire Yates SR</u>	
14. PERMIT NO.						13. STATE <u>N.M.</u>	
DATE ISSUED						12. COUNTY OR PARISH <u>Eddy</u>	
15. DATE SPUDDED <u>4/2/85</u>		16. DATE T.D. REACHED <u>4/4/85</u>		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* <u>3512' GR</u>	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD <u>626'</u>		21. PLUG, BACK T.D., MD & TVD <u>615'</u>		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE <u>No</u>		26. TYPE ELECTRIC AND OTHER LOGS RUN <u>Dual spaced neutron</u>	
27. WAS WELL CORRED <u>No</u>		28. CASING RECORD (Report all strings set in well)					
Casing Size		Weight, lb./ft.		Depth Set (MD)		Hole Size	
8 5/8"		24#		125'		12 1/4"	
5 1/2"		15.50#		626'		7 7/8"	
Cementing Record		Amount Pulled					
75 sax		None					
150 sax		None					
29. LINER RECORD		30. TUBING RECORD					
Size		Top (MD)		Bottom (MD)		Sacks Cement*	
Screen (MD)		Size		Depth Set (MD)		Packer Set (MD)	
2 3/8"		392'		396'			
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
478-492' 15 shots		Depth Interval (MD)		Amount and Kind of Material Used			
533-546' 14 shots		478-564'		5000 gal 15% NE acid			
558' 1 shot							
564' 1 shot							
33. PRODUCTION		DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		OIL GRAVITY-API (COER.)		TEST WITNESSED BY			
LIST OF ATTACHMENTS		CARISBAD, NEW MEXICO		SIGNED		TITLE	
Logs				Production Clerk		DATE	
I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						4/30/85	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals/Cements": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
	0	140	Gypsum, lime			
	140	310	Red bed, gypsum, lime			
	310	420	Anhy, gypsum, red bed, lime			
	420	449	Lime			
	449	626	Anhy, gypsum, lime, shale			

APPLICATION OF LEONARD LATCH
TO EXPAND HIS LATCH-EMPIRE
WATERFLOOD PROJECT IN THE EMPIRE
POOL IN EDDY COUNTY, NEW MEXICO,

ORDER WEX NO. 453

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Order No. R-1546, Leonard Latch has made application to the Commission on June 13, 1977, for permission to expand its Latch-Empire Water Flood Project in the Empire Pool, Eddy County, New Mexico.

NOW, on this 8th day of July, 1977, the Secretary-Director finds:

1. That application has been filed in due form.
2. That satisfactory information has been provided that there are no other offset operators.
3. That the proposed injection wells are eligible for conversion to water injection under the terms of Order No. R-1546.
4. That the proposed expansion of the above referenced water flood project will not cause waste nor impair correlative rights.
5. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Leonard Latch, be and the same is hereby authorized to inject water into the Seven Rivers formation through plastic-lined tubing set in packers at approximately 445 feet and 425 feet, respectively, in the following described wells for purposes of secondary recovery, to wit:

Berry A Well No. 9, located in Unit H and
Berry A Well No. 19, located in Unit K, both in Section
24, Township 17 South, Range 27 East, NMPM,

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

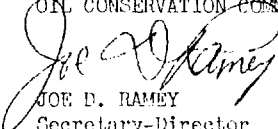
That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

That the operator shall notify the supervisor of the Commission's Artesia District Office before injection is commenced through said well.

That the operator shall immediately notify the supervisor of the Commission's Artesia Office of the failure of the tubing, casing or packer in said well or the leakage of water from or around said well and shall take such steps as may be timely or necessary to correct such failure or leakage.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


JOE D. RAMEY
Secretary-Director

C E A L